## CLAIMS

- A device for pumping a liquid from a packaging so as to dispense it in heated, frothed or emulsified comprising an aspiration subassembly of 5 venturi type, able to be connected to the pipe of a pressurized-carrier fluid generator, said subassembly comprising a body (4) comprising a carrier fluid carrying duct (21, 27) opening into an aspiration chamber (25), and at least one aspiration canal (33) 10 for aspirating the liquid contained in the packaging (5), characterized in that the aspiration subassembly comprises a nozzle (1, 2, 3) and fixing and opening means (13, 15, 30) designed to connect the nozzle (1, 2, 3) with the packaging (5) and place the aspiration 15 in contact with the liquid inside the (33) canal packaging (1, 2, 3).
- 2. The device as claimed in claim 1, characterized in that the fixing and opening means (13, 30) are able to secure the nozzle (1, 2) to a seal (7) of the packaging (5), and in that the nozzle (1, 2) is able to move relative to the packaging (5) between a position in which the packaging (5) is closed by the seal (7) and a position in which the packaging (5) is open and the aspiration canal (33) is placed in communication with the liquid (L) contained in said packaging (5).
- 3. The device as claimed in claim 2, characterized in that the fixing and opening means (13, 30) are arranged in such a way as to place the aspiration canal (33) in communication with the liquid contained in the packaging (5) without the possibility of flow to the outside.

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4. The device as claimed in claim 3, characterized in that the fixing and opening means (13, 30, 25) are means capable of undoing a portion of the weld (15)

between the seal (7) and the rest of the packaging (5).

5. The device as claimed in any one of claims 2, 3 or 4, characterized in that the fixing and opening means (13, 30, 25) comprise a joining element (13) able to connect the nozzle (1) to the seal (7) by trapping and/or welding a portion (15) of the seal.

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- 6. The device as claimed in one of claims 2, 3 or 4, characterized in that the fixing and opening means (13, 15, 30) form a welded seal between the seal (7) and the base (14) of the nozzle (1).
- 7. The device as claimed in any one of claims 2 to 6, characterized in that the aspiration chamber (25) is situated downstream of a restriction and is connected by a constriction (26) to a mixing well (29) itself in communication with the outside via an ejection duct (48).
- 8. The device as claimed in claim 6 and 7, characterized in the welded seal (15) delimits an opening (8) in the seal (7), and in that the ejection duct (48) is in communication with said opening (8).
- 9. The device as claimed in claim 8, characterized in that a grating (59) forming means of homogenizing the ejected product extends across said opening (8).
- 30 10. The device as claimed in any one of the preceding claims, characterized in that it further comprises an air carrying canal (31) opening into the aspiration chamber (25).
- 11. The device as claimed in claim 10, characterized in that the air carrying canal (31) carrying air to the aspiration chamber (25) comprises an inlet orifice (32) having a cross section larger than the remainder of said canal (31), said orifice (32) being closed off by

a permeable membrane (32a) allowing the air flow rate to be controlled.

12. The device as claimed in any one of the preceding claims, characterized in that the liquid supply canal (33) runs between the base (14) of the nozzle (1, 2, 3) and the aspiration chamber (25).

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- 13. The device as claimed in claim 5 or 6, characterized in that the nozzle (12) is housed in a hollow shaft (9) formed at right angles to the plane of the seal (7) of the packaging, one end of the hollow shaft (9) being connected to the seal (7) by a second welded seal (17).
- 14. The device as claimed in claim 13, characterized in that the nozzle (1, 2) further comprises, between its body (4) and the hollow shaft (9), a canal (35) allowing air to be introduced into the packaging via an orifice (36) so as to equalize the pressure in the open position.
- 15. The device as claimed in claim 14, characterized in that the orifice (36) of the pressure equalizing canal (35) is situated below the hollow shaft (9) when the packaging is in the open position.
- 16. The device as claimed in one of claims 13 to 15, characterized in that the nozzle (1) is provided at its upper part with a plurality of fins (19) collaborating with ribs (6b) radiating from the opening of the hollow shaft (9) to prevent the nozzle (1) from rotating relative to the packaging.
- 17. The device as claimed in any one of the preceding claims, characterized in that it comprises a packaging (5) and in that said device is disposable with the packaging.

- A device for pumping a liquid from a container (5) so as to dispense it in heated, frothed or emulsified form, comprising an aspiration subassembly comprising a nozzle (1) of the venturi type able to be connected to the pipe of a pressurized-carrier fluid generator, said 5 subassembly comprising a body (4) comprising a carrier fluid carrying duct (21, 27) opening into an aspiration chamber (25), and at least one aspiration canal (33) for aspirating the liquid contained in the container (5) and opening into said container (5), characterized 10 in that the liquid supply canal (33) is formed in the actual body (4) of the nozzle (1) between its base (14) and the aspiration chamber (25), and in that the ejection duct (48) passes through the end wall of the container (5), forming a seal against the 15 contained in said container (5).
- 19. The device as claimed in claim 18 or 19, characterized in that the aspiration chamber (25) is 20 connected by a constriction (26) to a mixing well (29) in communication with the outside via an ejection duct (48) situated at the base (14) of the body (4) of said nozzle (1).
- The device as claimed in any one of the preceding 25 claims, characterized in that the nozzle is made of a body made in two parts (50, 52) consisting in a first, body (50), through which the carrier fluid outer, carrying duct (21, 27) and the air carrying duct (31) pass, and into which there is fitted to a second, 30 which inner, body (52) through there passes constriction (26) communicating with the aspiration chamber (25) formed between said first and second bodies (50, 52), the liquid carrying canal (33) being formed between the walls of said first and second 35 bodies.
  - 21. The device as claimed in claim 20, characterized in that a dome (44) is formed at the base (53) of the

inner body (52), as an integral part thereof.